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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 25th November 2000

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Fax No. 011 576 6204

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IIIrd Floor, Rajaji Bhavan,
Besant Nagar, Chennai 600 090.

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Karnataka, Kerala, Tamilnadu and
Pondicherry and the Union
Territories of Laccadive, Minicoy
and Aminidivi Islands.

Telegraphic address "PATENTOFIS"
Phone No. 490 1495
Fax No. 044 490 1492.

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O
Building, 5th, 6th & 7th
Floors, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"
Phone No. 247 4401
Fax No. 033 247 3851.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and the Patents (Amendment) Act, 1999 or the Patents Rules, 1972 as amended by the Patents (Amendment) Rules, 1999 will be received only at the appropriate offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents. If the appropriate office is situated.

पेटेंट कार्यालय**एकत्र तथा अभिलेख****कलकत्ता, दिनांक 25 नवम्बर 2000**

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा मुम्बई, दिल्ली एवं चैन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोजर परले (प.),
मुम्बई-400 013.

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोवा राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली ।

तार पता - "पेटेंटॉफिस"

फोन : 482 5092 फैक्स : 022 4950 622

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
समन्वयिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता - "पेटेंटॉफिस"

फोन : 578 2532 फैक्स : 011 576 6204

पेटेंट कार्यालय शाखा,

विंग सी (सी-4, ए),

तीसरा तल, राजाजी भवन, बसन्त नगर,

चैन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिक्काय
तथा एमिनिदिबि द्वीप ।

तार पता - "पेटेंटॉफिस"

फोन : 490 1495 फैक्स : 044 490 1492

पेटेंट कार्यालय (प्रधान कार्यालय)
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंट्स"

फोन : 247 4401 फैक्स : 033 247 3851

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम,
1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा दर्जित
सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई
फीस पेटेंट कार्यालय को केवल समुचित कार्यालय में ही ग्रहण
किये जायेंगे ।

शुल्क : शुल्कों की अदायगी या तो नकद की जायगी अथवा
जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक
में नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चेक द्वारा की
जा सकती है ।

CORRIGENDUM

In the Gazette of India, Part-III, Section-2, dated 25th March, 2000, of page no. 179 in respect of the application for Patent No. 183705 (995/Cal/95) read the applicant's name "KEIPER GMBH & CO., Hertelsbrunnenring 2. D-67657 Kaiserslautern, Germany" instead of "KEIPER RECARGO GMBH & CO.," of Bucheistr. 54-58, 42855 Kemscheid, Germany", a German Company which was inadvertently notified.

ALTERATION OF DATE UNDER SECTION 16.

185135 (1319/Cal/95) Antedated to 21st May 1992.

185138 (232/Cal/99) Antedated to 8th May 1995.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding

one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबंध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके निर्णय की तिथि से चार (4) महीने या अधिक ऐसी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्रारूप 4 पर अगर आवेदित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी निम्न-त्रक एकत्र के उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रारूप 7 पर दे सकते हैं। विरोध संबंधी लिखित दस्तावेज की प्रतियाँ में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम-36 के तहत यथाविहित उक्त सूचना की तिथि से 60 दिन के भीतर फाईल कर दिए जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अंतर्राष्ट्रीय वर्गीकरण के अन्वय हैं।

विनिर्देश तथा चित्र आरखे, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित 30 रुपये प्रति का अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं हो, विनिर्देश तथा चित्र आरखे, यदि कोई हो, की फाईल प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित फाईल प्रति शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ धन 30 रुपये की अदायगी पर की जा सकती है।

Int. Cl⁴ : G 06 F 15/02.

185131

Ind. Cl. : 40 F.

A LEAD GENERATION/OPTIMIZATION SYSTEM FOR AUTOMATICALLY GENERATING CHEMICAL COMPOUNDS HAVING A PRESCRIBED SET OF ACTIVITY/PROPERTIES.

Applicant :

3-DIMENSIONAL PHARMACEUTICALS INC. OF
3700,
MARKET STREET,
PHILADELPHIA, PENNSYLVANIA 19104,
UNITED STATES OF AMERICA.

Inventors :

1. DIMITRIS KONSTANTINOS AGRAFIOTIS.
2. ROGER FRANCIS BONE.
3. FRANCIS RAYMOND SALEMME.
4. RICHARD MICHAEL SOLL.

Application No. 1068/Cal/95 filed on 7-9-1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

27 CLAIMS

A lead generation/optimization system for automatically generating compounds having a prescribed set of activity/properties, comprising :

a synthesis protocol generator having a central processing unit and control logic, wherein said central processing unit operates according to said control logic;

a communication medium comprising one or more databases;

an input device for receiving input from human operators and forwarding the input to said synthesis protocol generator via said communication medium;

an output device for outputting information from said synthesis protocol generator to said output device via said communication medium to human operators;

a reagent repository comprising reagents;

One or more chemical synthesis robots for selectively combining reagents from said reagent repository to generate diverse chemical compounds, said chemical compounds forming a Directed Diversity Chemical Library, wherein said one or more chemical synthesis robots utilize robotic synthesis instructions received from said synthesis protocol generator via said communication medium to generate said chemical compounds;

One or more analysis robots for analyzing the chemical compounds from said Directed Diversity Chemical Library to obtain structure-activity data pertaining to said chemical compounds; and

a data storage device having a reagent information database for storing reagent information pertaining to the reagents in the reagent repository and a structure-activity database for storing said structure-activity data pertaining to said chemical compounds to be synthesized by said one or more chemical synthesis robots.

(Comp. Specn. 50 Pages.

Drgns. 12 sheets).

Int. Cl⁴ : C 03 B 23/027.

185132

Ind. Cl. : 142

METHOD AND DEVICE FOR THE BENDING OF GLASS SHEETS.

Applicant :

SAINI-GOBANI VITRAGE OF 18 AVENUE D'
ALSACE,
F-92400 COURBEVOIE, FRANCE.

Inventors :

MARCO MULLER,
KARL-JOSEF OLFISCH,
DR. HANS-WERNER KUSTER,
CLAUDE DIDELOT.

Application No. 1167/Cal/95 filed on 27-9-95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 CLAIMS

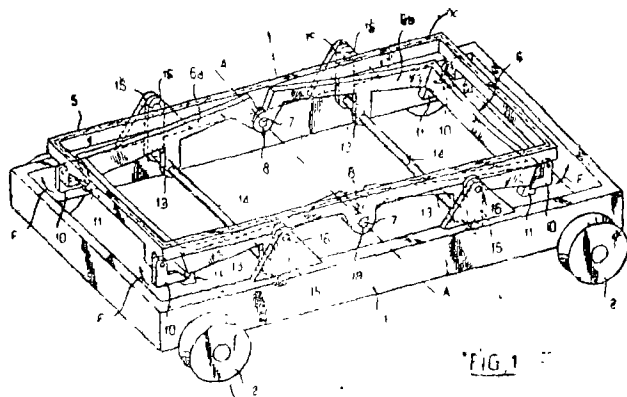
A method of gravity bending at least one glass sheet, heated to the deformation temperature thereof, comprising the steps of :

a first gravity bending step of causing the glass sheet to bend to a rough form while supporting the sheet by a rough bending device (5,26) acting on the sheet along a first peripheral line (x);

a second gravity bending step of causing the glass sheet to bend to a definitive form while supporting the sheet by a definitive bending device (6,29) acting on the sheet along a second peripheral line (y); and

between said first and second gravity bending steps, transferring support of the glass sheet from the first peripheral line (x) to the second peripheral line (y) by positively and continuously regulating a position of at least one of said

rough and definitive bending devices in reaction to forces generated on said at least one of said rough and definitive bending devices by contact with the glass sheet.



(Comp. Specn. 15 pages.

Drgns. 4 sheets).

Int. Cl.⁴ : C 23 C4/02.

185133

Ind. Cl. : 70 C 5

PROTECTIVE COAT FOR PROTECTING A COMPONENT FROM CORROSION.

Applicant :

SIMENS AKTIENGESellschaft,
OF WITTELSBACHERPLATZ 2,
80333 MUENCHEN, GERMANY.

Inventors :

FRIEDHELM SCHMITZ,
NORBERT CZECH.

Application No. 1211/Cal/95 filed on 9-10-95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 CLAIMS

A process for coating a component with a protective coat in which the adhesion-promoting layer is applied by means of thermal spraying or physical vapour deposition (PVD) and the heat insulation layer is applied to the adhesion-promoting layer by means of atmospheric plasma spraying (APS) or physical vapour deposition (PVD) wherein said adhesion-promoting layer comprises the following composition (data in per cent by weight) :

4 to 20% of rhenium

15 to 35% of chromium,

7 to 18% of aluminium,

0.3 to 2% of yttrium and/or at least one equivalent metal from the group comprising scandium and the rare earth element,

0 to 3% of silicon,

0 to 5% of hafnium,

0 to 5% of tantalum,

0 to 2% of zirconium,

0 to 12% of tungsten,

0 to 10% of manganese and

0 to 4% of niobium,

the remainder comprising cobalt and/or nickel and impurities associated with the preparation and the heat insulation layer of a ceramic material such as herein described.

(Comp. Specn. 16 Pages.

Drgns. 0 sheets).

Int. Cl.⁴ : A 61 L 2/00.

185134

Ind. Cl. : 55 B 3.

A METHOD OF OBTAINING A VACUUM STERILISED ARTICLE.

Applicant :

JOHNSON & JOHNSON MEDICAL,
INC. OF 2500 ARBROOK BOULEVARD,
P. O. BOX 90130, ARLINGTON,
TEXAS 76004-3130, U.S.A.

Inventors :

ROBERT M. SPENCER,
TRALANCE O. ADDY

Application No. 1219/Cal/95 filed on 10-10-95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

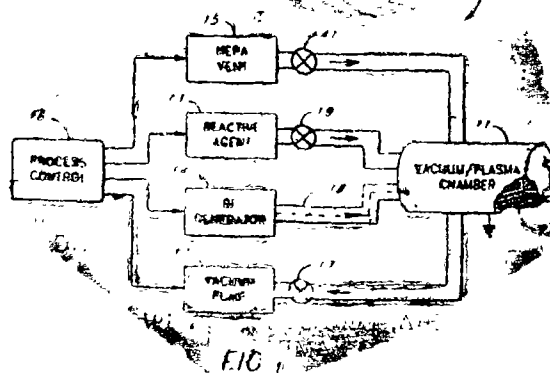
17 CLAIMS

A method of obtaining a vacuum sterilised article comprising : Placing into a chamber an article to be sterilised, said article having a quantity of condensed residue thereon to be evaporated; evacuating the chamber to reach a first pressure of 7000 mTorr selected to facilitate evaporation of said residue,

generating a gas plasma in the chamber at said first pressure; maintaining the gas plasma in the chamber for a duration sufficient to evaporate a substantial portion of the condensed residue,

evacuating the chamber to reach a second pressure of 300 mTorr, and

introducing a sterilising gas into the chamber at said second pressure subsequent to evaporation of the substantial portion of the condensed residue, and generating a second plasma at a third pressure of 500 mTorr, wherein the second pressure is selected to facilitate sterilisation.



(Comp. Specn. 15 pages.

Drgns. 7 sheets).

Int. Cl.⁴ : C 12 N 11/02.

185135

Ind. Cl. : 55 F.

A PROCESS FOR THE PREPARATION OF A SOLID CARRIER MEDIUM USED FOR GROWING TRICHODERMA SPECIES.

Applicant :

TEA RESEARCH ASSOCIATION
OF 113 PARK STREET,
CALCUTTA-700 016, WEST BENGAL,
INDIA.

Inventor :

BIJOY CHANDRA BARBORA,
KAMOL CHANDRA BARUA,
BICHITRA KUMAR BARTHAUR,
PRASANT DUTTA,
ROFIKA BEGUM &
SUBASH CHANDRA DAS.

Application No. 1319/Cal/95 filed on 26-10-95.

(Divided out of No. 343/Cal/92 Antedated to 21-05-92).

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

4 Claims

A process for the preparation of a solid carrier medium used alongwith a liquid carrier medium such as herein described for growing *Trichoderma* species comprising :

- (i) Selecting agricultural wastes rich in carbon such as herein described;
- (ii) Admixing said agricultural wastes with glucose 3-5% thoroughly in plastic vessels;
- (iii) Moistening the mixture of step (ii) above with clean water;
- (iv) Subjecting the thus moistening mix to sterilisation in autoclave at 15-20 lbs vpsi at a temperature range of 121-126°C for a period of 60-75 minutes; and
- (v) Allowing the sterilised solid carrier medium to stay for a period sufficient to avoid natural microbial contamination.

the solid carrier media thus obtained.

Comp. Specn. 9 Pages.

Drngs. Nil.

Int. Cl.⁴ : C. 07 C 39/12.

185136

Ind. Cl. : 32 F 3 C.

A PROCESS FOR REDUCING THE LEVEL OF SALT IN PHENOL TAR.

Applicant :

GENERAL ELECTRIC COMPANY
OF 1 RIVER ROAD,
SCHNECTADY 12345,
STATES OF NEW YORK,
UNITED STATES OF AMERICA.

Inventor :

ARKADY SAMUILOVICH DYCKMAN,
VLADIMIR I. SARGE,
YELENA N. SARGE,
BORIS ISSAKOVICH GORVITS.

Application No. 1376/Cal/95 filed on 2-11-95.

(Convention No. 08/531, 352 filed on 20-9-95 in U.S.A.).

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

14 Claims

A process for reducing the level of salt in phenol tar resulting from neutralization of catalyst acid in a phenol tar from a phenol-from-cumene process, which comprises admixing in a counter current flow extractor, the phenol tar which comprises salt at a temperature of from about 10°C to about 90°C with an extraction liquid consisting essentially of water in a tar to extraction liquid feed ratio of at least 0.3/1 wherein the tar and extraction liquid do not form a stable emulsion and the level of salt in reduced by at least 20% by weight.

Comp. Specn. 13 Pages.

Drngs. 0 Sheets.

Int. Cl.⁴ : A 61 K 35/68.

185137

Ind. Cl. : 55 E.

A PROCESS FOR PREPARING A HEPATOPROTECTIVE SYNERGISTIC COMPOSITION FOR THE TREATMENT OF LIVER DUE TO VIRUS AND/OR HEPATOTOXIC AGENTS PRESENT IN FOOD, DRUG OR ALCOHOL.

Applicant & Inventor :

ASHOK RAJGARHIA,
C/O RAJGARHIA PAPER MILLS PVT. LIMITED,
15 EXCHANGE PLACE,
CAUCUTTA-700 001, WEST BENGAL,
INDIA.

Application No. 69/Cal/99 filed on 29-01-99.

(Complete after Provisional left on 17-12-99).

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

2 Claims

A process for preparing a hepatoprotective synergistic composition for the treatment of liver due to virus and/or hepatotoxic agents present in food, drug or alcohol comprising :

- step (i)—isolating Glycyrrhizin as mono ammonium glycyrrhizinate from the roots of glycyrrhiza glabra.
- step (ii)—isolating Kutkin (Picroside and kutkostdes) from the roots of Picorhiza Kurroa.
- step (iii)—mixing the two extracts obtained from steps 1 or 2 above in the ratio of 2-4; 1-3 at ambient temperature and pressure with the excipients for tableting.

Prov. Specn. 7 Pages.

Comp. Specn. 10 Pages.

Drngs. Sheets Nil.

Int. Cl.⁴ : B 01 J 8/24.

185138

Ind. Cl. : 40 A 2.

APPARATUS FOR DIRECT REDUCTION OF IRON OXIDE FINES INTO METALLIZED IRON FINES.

Applicant :

MIDREX INTERNATIONAL B. V. ROTTERMDAM,
WILFRIEDSTRASSE 12,
CH-8032 ZURICH,
SWITZERLAND.

Inventor :

DAVID CHARLES MEISSNER.

Application No. 232/Cal/99 filed on 18-03-99.

(Divided out of No. 512/Cal/95 Antedated to 08-05-95).

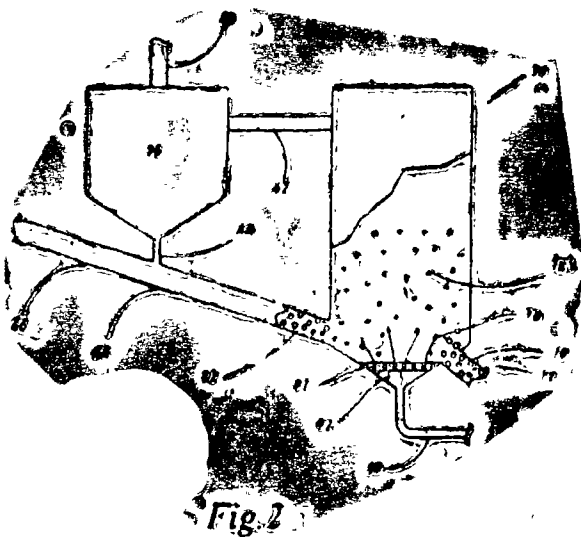
Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

9 Claims

An apparatus for direct reduction of iron oxide fines into metallized iron fines, in a single closed loop, said apparatus comprising :

- (a) a source (10) of particulate iron oxide fines;
- (b) means (40, 47-49) for conveying iron oxide fines from said source to a bed (50) of iron oxide fines;
- (c) means (40, 36, 14) for generating reducing gas such as herein described;

- (d) means (28, 30, 39) for conveying reducing gas from said means for generating reducing gas to a circulating fluidizing means containing said bed of iron oxide fines to fluidize said bed of iron oxide fines and reducing said iron oxide fines into metallized iron fines;
- (e) means (62) for conveying reducing gas and iron oxide fines from the fluidized bed to a means (52) for separating said iron oxide fines from the reducing gas;
- (f) means (70, 71) connected to said fluidizable bed (50) for collecting the metallized iron fines therefrom; and
- (g) means (63) for conveying iron oxide fines from said separating means (52) to said means for conveying iron oxide fines from said source to said bed (50).



Comp. Specn. 17 Pages.

Drngs. 2 Sheets.

Int. Cl.⁴ : A 01 N 33/04.

185139

Ind. Cl. : 55 D₂.

A PROCESS FOR THE PREPARATION OF A FUNGICIDAL COMPOSITION.

Applicant :

AMERICAN CYNAMID COMPANY,
FIVE GIRALDA FARMS, MADISON,
NEW JERSEY 07940-0874,
UNITED STATES OF AMERICA.

Inventor :

EWALD GERHARD SIEVERDING.

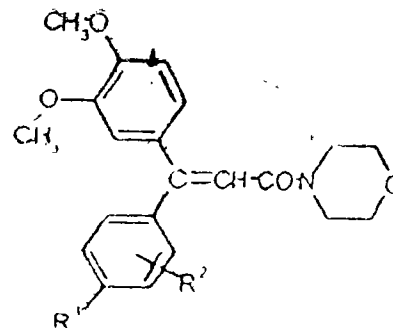
Application No. 438/Cal/99 filed on 11-05-99.

(Convention application no. 09/078029 on 13-05-98 in U. S. A.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A process for the preparation of a fungicidal composition which comprises bringing at least one acrylic acid morpholide of formula I



in which

R¹ and R² each independently represent hydrogen or halogen atom or an optionally substituted alkyl, alkoxy, alkenyl, alkynyl, alkadienyl, aryl, aryloxy, heteroaryl, cycloalkyl cycloalkenyl, bicyclicalkyl or heterocyclyl group, or acid addition salts thereof, and

at least one fungicidal N-pyridylaniline compound, wherein ratio (by weight) of the compound of formula I to the N-pyridylaniline compound is from 1 : 20 to 20 : 1 and optionally an adjuvant, such as herein described, into association with at least one carrier liquid.

Compl. Specn. 19 Pages:

Drngs. Nil.

Int. Cl.⁴ : A 61 K 35/78.

185140

Ind. Cl. : 55 F.

A PROCESS OF PREPARING AN ORALLY CONSUMABLE HOMEOPATHIC MEDICAL PREPARATION FOR THE TREATMENT OF GIARDIASIS.

Applicant & Inventor .

SMT. INDIRA ROY,
11, PANCHANANTALA ROAD,
PASCHIM PUTIARY. CALCUTTA-700 041.
WEST BENGAL,
INDIA.

Application No. 898/Cal/99 filed on 12-11-99.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A process of preparing an orally consumable homeopathic medical preparation for the treatment of giardiasis comprising a solution containing filix mass, cina and granatum characterised in that 80% to 90% of filix mass as herein defined having the potency 3X is initially taken in an ambour coloured glass bottle to which 10% to 20% of cina as herein defined having the potency 6X is added and after gentle stirring the obtained solution is kept in a dark place for 24 hours, the said resultant solution is further added to 5% to 15% of granatum as herein defined having the potency 6X and again kept for 24 hours in a dark place to obtain the final preparation.

Comp. Specn. 10 Pages

Drngs. Sheets Nil.

Ind. Cl. : 107 C.

185141

Int. Cl.⁴ : F 02 B, 23/00.

INTERNAL COMBUSTION ENGINE.

Applicant :

DAN MERRITT,
A BRITISH CITIZEN OF 139 BAGINTON ROAD,
COVENTRY, ENGLAND AND
COVENTRY UNIVERSITY FORMERLY KNOWN
AS COVENTRY POLYTECHNIC HIGHER
EDUCATION CORPORATION,
A BRITISH COMPANY,
OF PRIORY STREET, COVENTRY,
ENGLAND.

Inventor(s) :

DAN MERRITT—ENGLAND.

Application for Patent No. 646/Del/91 filed on 18-7-91.

Convention Application No. 9016123.3, 9106219.0,
9103391.0/UK, UK, UK/23-7-90, 23-03-91, 19-02-91.

Appropriate Office for Opposition Proceedings (Rule 4,
(Patents Rules 1972) Patent Office Branch, New Delhi-
110 005.

50 Claims

An internal Combustion Engine Comprising :

at least one set of first (12) and second (14)
cylinders, the first cylinder (12) having a larger swept
volume than the second cylinder (14) respective first
(16) and second (18) pistons movable in said cylinder
(12, 14);

air inlet means (24,25) communicating with the first
cylinder; (12)

exhaust means communicating with the first cylinder :
(12) a first fuel source (21) for providing fuel to the
second cylinder; (14)

means (20) defining a combustion space when the
pistons (16, 18) are substantially at the inner dead
centre position, the combustion space (20) communi-
cating with both cylinders (12, 14) during the ex-
pansion stroke;

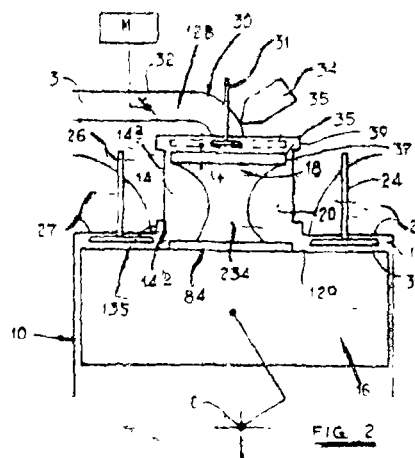
and inhibiting means (28) for inhibiting ingress
as herein defined prior to the second piston (18)
arriving at or adjacent its inner dead centre position;

characterized in that;

said first fuel source (21) is connected to provide fuel
to the second cylinder (14) above the crown of the
second piston;

the second piston (18) has a crown (35) which is
spaced from and connected to the crown (36) of the
first piston (16) and which has an edge (37) which
extends over at least a portion of the periphery of the
crown (35) and which is relatively small in the axial
direction compared to the distance between the first
piston (16) crown (36) and the second piston (18)
crown (35) in the axial direction, thereby to define
said combustion space (20) between said piston crowns
(35, 36) and a side wall (14a) of said second cylinder;
(14)

and said edge (37) of said second piston crown (35)
is radially spaced from the adjacent wall (14a) of the
second cylinder (14) to define a gap (128) there between
which comprises said inhibiting means (28) said
spacing being of a size such as substantially to prevent
the passage of gas between said side wall (14a) and
said second piston crown (35) from said second
cylinder (14) into said combustion space (20) until
towards the end of the compression stroke.



(Compl. Specn. 47 Pages;

Drng. Sheets 15).

Ind. Cl. : 32 B, 32 F(1)

185142

Int. Cl.⁴ : C07C 6/44, 7/06.

A PROCESS FOR PREPARING ETHYLENE OR A
MIXTURE OF ETHYLENE AND VINYL CHLORIDE
BY THE REACTION OF ETHANE AND CHLORINE.

Applicant :

OCCIDENTAL CHEMICAL CORPORATION,
OF 2801 LONG ROAD,
GRAND ISLAND, NEW YORK 14072,
UNITED STATES OF AMERICA.

Inventor(s) :

KRISHNAN VISWANATHAN—U. S. A.
HANGCHANG BOBBY CHEN—U. S. A.
SIDNEY WILLIAM BENSON—U. S. A.

Application for Patent No. 1189/Del/91 filed on 4-12-91.

Appropriate Office for Opposition Proceedings (Rule 4,
(Patents Rules 1972) Patent Office Branch, New Delhi-
110 005.

16 Claims

A process for preparing ethylene or a mixture of ethylene
and vinyl chloride by the reaction of ethane and chlorine
which comprises :

- providing a stream of ethane feed gas and a stream
of chlorine feed gas characterised in that;
- preheating either said ethane stream only or both
said ethane and chlorine streams to temperature
sufficient for the resultant mixture to have a
temperature above 215°C allowing the formation
of free radicals from chlorine;
- thoroughly mixing said ethane and chlorine feed
gases with or without a catalyst within about one
second and at a molar ratio of ethane to chlorine
of at least about 0 : 9 : 1.0;
- adjusting the final temperature of the reacting
gaseous mixture in the reaction zone to between
600°C and 800°C; and
- selecting the residence time in the reaction zone
such that the combined molar yield of ethylene
and vinyl chloride is at least about 80% of the
ethane reacted and recovering ethylene or a mix-
ture of ethylene and vinyl chloride in a conven-
tional manner.

(Compl. Specn. 38 Pages;

Drng. 1 Sheet).

Ind. Cl. : 158 D

185143

Int. Cl.⁴ : B 60 B 3/00**A CAST BLOCKOUT APPARATUS FOR A DRAFT GEAR POCKET.**

Applicant : MCCONWAY & TORLEY CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA, OF 109 49TH STREET, PITTSBURGH, PENNSYLVANIA 15201, UNITED STATES OF AMERICA.

Inventors : PETER SCOTT MAUTINO.

Application for Patent No. 17/Del/92 filed on 8-1-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, New Delhi-110005.

15 Claims

A castable draft gear pocket blockout apparatus positionable : within such draft gear pocket which is disposed within a centre sill member mounted on a railway car body, to enable equipping such railway car with a slackless drawbar coupling arrangement, said blockout apparatus comprising :

- (a) a substantially vertically disposed web member;
- (b) a substantially horizontally disposed top flange member connected substantially along an entire length of a bottom surface thereof and substantially midway between outer edges thereof to said upper outer edge of said web member, said length of said bottom surface of said top flange member being substantially equal to said length of said upper outer edge of said web member;
- (c) a substantially horizontally disposed bottom flange member connected substantially along an entire length of an upper surface thereof and substantially midway between outer edges thereof to said lower outer edge of said web member, said length of said upper surface of said bottom flange member being substantially equal to said length of said lower outer edge of said web member;
- (d) a first substantially vertically disposed end flange member connected to each of a first outer end of said web member, said top flange member and said bottom flange member adjacent a first end of said blockout apparatus; and
- (e) a second substantially vertically disposed end flange member connected to each of a second outer end of said web member, said top flange member and said bottom flange member adjacent a second end of said blockout apparatus.

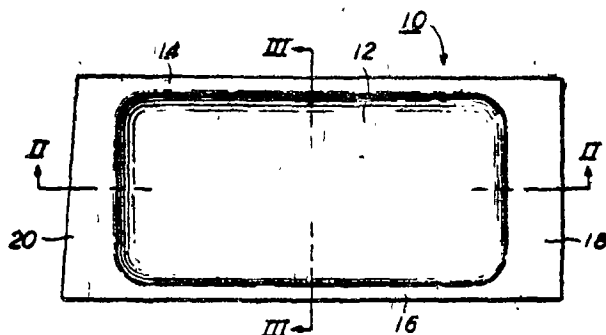


FIG. 1

Compl. Specn. 21 Pages;

Drgns. 4 Sheets.

Ind. Cl. : 143 D₄

185144

Int. Cl.⁴ : B 65 B, 1/02**AN IMPROVED PACKING MACHINE FOR LINED CARTONS.**

Applicant : ROLLATAINERS LIMITED, AN INDIAN COMPANY OF 13/6, MATHURA ROAD, FARIDABAD-121003, HARYANA.

Inventors : KANIMBELLE PRAHALLADA RAJ, INDIA.

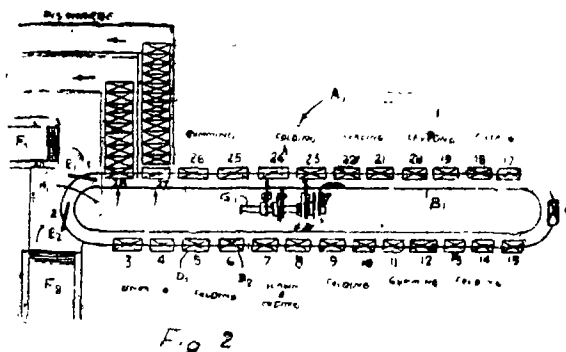
Application for Patent No. 0045/Del/92 filed on 21-01-92.

Complete left after Provisional Specification filed on 20-4-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, New Delhi-110005.

5 Claims

An improved packing machine for lined cartons comprising a conveyor chain (B) with holders (D) mounted thereon in a spaced relationship for transporting the cartons to a plurality of work stations, (1-22) motive means being provided to give an indexed drive to said conveyor chain, (B) characterized in that a plurality of feed stations (C) being provided to feed the carton to the respective holders, (D) a first holder (D) being mounted on said conveyor chain (B) for a first carton, a second holder (1) being mounted on said conveyor chain (B) in a spaced relationship to said first carton, said first and second holders (1) being provided for each station so that an operation at any one station being effected simultaneously on said first and second cartons.



Provl. Specn. 4 Pages;

Drgn. Sheet Nil.

Compl. Specn. 12 Pages;

Drgn. Sheet 1.

Ind. Cl. : 131 B (3)

185145

Int. Cl.⁴ : E 21 B, 43/00**AN IMPROVED PROCESS FOR ENHANCED OIL RECOVERY FROM PETROLEUM OIL WELLS.**

Applicant :
GANAPATI DADASAHEB YADAV,
SAGAR ANIL TRAILOKYA, and
K. N. SUBRAMANIAN ALL INDIAN NATIONALS
OF F-319, KOTLA MUBARAKPUR,
BHOLA NAGAR, NEW DELHI-110003.
INDIA.

Inventor(s) :
GANAPATI DADASAHEB YADAV-INDIA,
SAGAR ANIL TRAILOKYA-INDIA,
K. N. SUBRAMANIAN-INDIA.

Application : For Patent No. 0411/DEL/92 filed on 13-05-92.

Appropriate Office for opposition proceeding Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(4 Claims)

An improved process for the enhanced oil recovery from the petroleum oil wells comprising in providing a semipermeable membrane of a predetermined narrow pores size at the bottom end of the oil well for restricting the passage of non-wettable fluid such as gases therethrough and injecting the natural gas/inert gases at a predetermined pressure with out marine water in the oil well through the other surrounding oil wells of the same pattern for enhanced receiving of oil from the oil well.

(Complete Specification 14 Pages : Drawing sheet—Nil)

Ind. Cl. : 32 F (2b)

185146

Int. Cl.⁴ : C 07 D, 211/25

A PROCESS FOR THE PREPARATION OF ROPIVACAINE HYDROCHLORIDE MONOHYDRATE.

Applicant : ASTRA AKTIEBOLAG, A SWEDEN COMPANY, OF S-151 85 SODERTALJE, SWEDEN.

Inventors : PETER JAKSCH, SWEDEN.

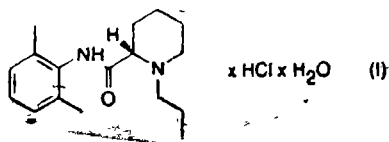
Application for Patent No. 837/Del/96 filed on 19th April, 1996.

Convention Application No. 9501808.1/SE/16-05-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

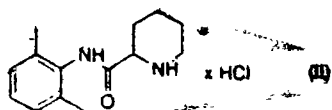
13 Claims

A process for the preparation of ropivacaine hydrochloride mono-hydrate of formula (I).



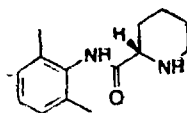
comprising

(i) extracting a racemic pipecoloxylidide from its HCL salt of the formula (II).



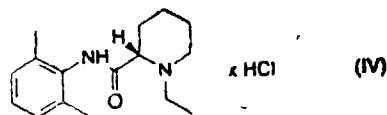
by liberating HCL therefrom, wherein said extraction is carried out in an organic solvent and a diluted base both of the kind such as herein described;

(ii) resolving the pipecoloxylidide so obtained by crystallization with a resolving agent such as herein described; and thereafter liberating the crystalline product from its salt by extraction in a conventional organic solvent or a bi-phasic solvent, wherein the organic solvent dissolves, a minimum of 1% (w/w) of water with diluted base to give a compound (S)-pipecoloxylidide of the formula (III).



(iii) alkylating S-pipecoloxylidide of the formula (III) formed above with a 1-halopropane, in the presence of a conventional base and optionally in the presence of a conventional catalyst, heating the said reaction mixture and removing the inorganic salts by extraction with water;

(iv) optionally diluting the solution obtained above and precipitating in any known manner ropivacaine hydrochloride of the formula (IV).



and thereafter isolating it;

(v) dissolving the compound of formula (IV) in an aqueous acetone, and precipitating the compound of formula (I) by addition of acetone, and thereafter isolating and drying the compound of formula (I).

Compl. Specn. 14 Pages;

Drng. Sheet Nil.

Ind. Cl. : 40 F.

185147

Int. Cl.⁴ : C 07 C-99/12.

A PROCESS FOR THE PURIFICATION AND ISOLATION OF TWO AMINO ACIDS OF THE VENOM OF L. QUINQUESTRIATUS HEBRAEUS SCORPION.

Applicant :

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, A COMPANY INCORPORATED IN THE STATE OF CALIFORNIA, UNITED STATES OF AMERICA, OF 300 LAKESIDE DRIVE, 22ND FLOOR, OAKLAND, CALIFORNIA 94612-3550, UNITED STATES OF AMERICA.

Inventor (s) :

BRUCE D. HAMMOCK—U. S. A.,
RAFAEL HERRMANN—ISRAEL AND
HAIM MOSKOWITZ—ISRAEL.

Application for Patent No. 964/Del/96 filed on 7th May, 1996.

Convention Application No. 08/435, 040/USA./08-05-95.

Appropriate office for opposition proceedings Rule 4, (Patents Rules 1972) Patent Office Branch, New Delhi 110005.

(8 CLAIMS)

A process for the purification and isolation of two amino acids of the venom of L. quinquistriatus scorpion, said amino acids being of the kind such as herein before described : comprising

- suspending and homogenising at least once the venom in ammonium acetate and thereafter centrifuging to obtain a supernatant;
- loading the supernatant in a column and chromatographically obtaining the fractions containing the desired amino acids; and
- testing for activity by conventional means each fraction to obtain the desired isolated amino acids.

(Complete Specification 34 Pages

Drawing Sheet-1)

Ind. Cl. : 60x 2 (d) and 32 F₂(a)

185148

Int. Cl.⁴ : C 07D 263/04

A PROCESS FOR THE PREPARATION OF A (S)-4-(3-(2 (DIMETHYLAMINO)-ETHYL)-1H-INDOL-5-YL) METHYL-2-OXAZOLIDINONE).

Applicant : THE WELLCOME FOUNDATION LIMITED OF UNICORN HOUSE 160 EUSTON ROAD, LONDON NW1 2BP, ENGLAND.

Inventors : RAJNIKANT PATFL, ENGLAND.

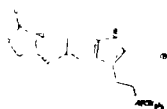
Application for Patent No. 1742/Del/96 filed on 6-8-96

Convention date 7-8-95/9516145.1/UK.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office Branch, New Delhi-110005.

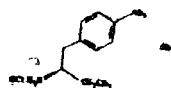
12 Claims

A process for the preparation of a (S)-4-(3-(2(dimethylamino) ethyl)-1H-indol-5-yl) methyl-2-oxazolidinone of compound of formula I

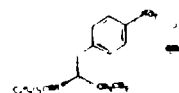


said process comprising the steps of

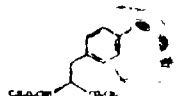
(a) forming a carbamate from methyl 4-nitro-(L)-phenylalaninate hydrochloride represented by formula (II)



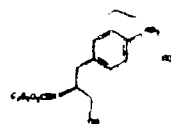
by adding sodium carbonate or sodium hydrogen carbonate and n-butyl chloroformate and reacting to give methyl (S)-N-butoxycarbonyl-4-nitrophenylalaninate, represented by formula (III)



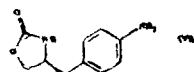
(b) reducing the compound of formula (III) to give methyl (S)-N-butoxycarbonyl-4-amino phenylalaninate, represented by formula (IV)



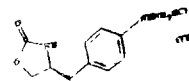
(c) reducing in a conventional manner the methyl ester grouping -CO₂CH₃ in the compound of formula (IV) to give (S)-N-butoxycarbonyl-4-aminophenylalaninol, represented by formula (V)



(d) a ring closure of the compound of formula (V) in a conventional manner to give (S)-4-(4-aminobenzyl)-2-oxazolidinone, represented by formula (VI)



(e) preparation of the diazonium salt of the compound of formula (VI) followed by reduction to give the hydrazine (S)-4-(4-hydrazinobenzyl)-2-oxazolidinone hydrochloride, represented by formula (VII)



(f) Fischer reaction in a conventional manner of the compound of formula (VII) to give the compound of formula (I).

Compl. Specn. 26 Pages;

Drgn. Sheet Nil.

Ind. Cl. : 55Ea & Ei.

185149

Int. Cl.⁴ : C 07D - 235/00

A PROCESS FOR THE SYNTHESIS OF 2, 3-POLYMETHYLENE-6, 8-DIALKOXYQUINAZOLIN-4-ONE DERIVATIVES.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

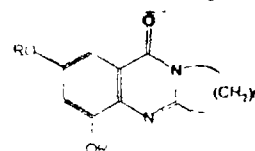
KANAYA LAL DHAR, INDIA.
OM PARKASH SURI, INDIA.
KRISHAN AVTAR SURI, INDIA.
NARESH KUMAR SATTI, INDIA
OM PARKASH GUPTA, INDIA.
MRS. ASHA BHAGAT, INDIA.

Application for Patent No. 2959/Del/96 filed on 27-12-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office Branch, New Delhi-110005.

8 Claims

A process for the synthesis of 2, 3-polymethylene-6, 8-dialkoxyquinazolin-4-one derivatives of the formula I.



wherein R=methyl, ethyl, propyl-1, propyl-2, butyl-1, butyl-2, 2-methyl propyl-2 and n=3, 4, 5 which comprises; reacting anthranilic acid with lactam or lactim ethers in an aromatic hydrocarbon solvent in presence of a condensing agent such as herein described at temperature range of 70 to 140°C for time range of 2 to 3 hr. removing the solvent by conventional methods, dissolving the resultant residue in water adding NH₄OH for precipitating the product 2, 3-polymethylene quinazolin-4-one filtering and drying, then dissolving in alcohol, cooling & brominating in a known manner in an organic solvent at temperature below 20°C, stirring for the time range of 1.5 to 2.5 hr. to get 2, 3-polymethylene-6, 8-dibromoquinazolin-4-one precipitate refluxing in presence of alkali metal alkoxides and copper catalyst, in presence of aliphatic alcohol for 2 to 5 hr. removing the solvent under reduced pressure extracting the residue with mineral acid, cooling the extract and basifying with ammonia solution, to get precipitate of 2, 3-polymethylene-6, 8-dialkoxyquinazolin-4-one of formula I recovering the same by filtering, drying and crystallizing with polar solvent

Compl. Specn. 17 Pages;

Drgn. Sheet 1.

Ind. Cl. : 32 F (2b) 185150

Int. Cl.⁴ : C 07 D, 241/02

A PROCESS FOR THE PRODUCTION OF 2-METHYL-PYRAZINE (2-MP) FROM N-B-HYDROXYPROPYL ET-HYLENE DIAMINE (B-HPEDA) USING ZINC-CHROMITE CATALYSTS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

MACHIRAJU SUBRAHMANYAM, INDIAN.
GUDIMELLA MURALIDHAR, INDIAN.
PRADEEP KUMAR VERMA, INDIAN
KODALI HIRANYA VERA PRASAD, INDIAN.
JHILLU SINGH YADAV, INDIAN.
ALLA VENKATA RAMA RAO, INDIAN.

Application for Patent No. 435/Del/91 filed on 21st May, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, New Delhi-110005.

4 Claims

A process for the production of 2-methyl pyrazine (2-MP) from N-(B-hydroxypropyl) ethylene diamine B-HPEDA) using zinc-chromite catalysts, which comprises, gasifying the B-HPEDA at 350° C at the rate of 78 ml/hr, passing the gasified B-HPEDA through the reduced zinc chromite catalyst having 74 wt% ZnO and 22 to 23 wt% CrO₃, at a temperature in the range of 390–500° for a period of upto hr, recovering the 2-methylpyrazine (2-MP) by known methods such as herein described.

Compl. Specn. 7 Pages:

Drng. Sheet 1.

Ind. Cl. : 32B

185151

Int. Cl.⁴ : C 07C 2/00

AN IMPROVED PROCESS FOR PREPARATION OF C₂+HYDROCARBONS BY OXIDATIVE CONVERSION OF METHANE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors :

VASANT RAMCHANDRA CHOUDHARY, INDIA.
VILAS HARI RANE, INDIA.
SOPAN TUKARAM CHAUDHARI, INDIA.

Application for Patent No. 569/Del/1 filed on 27-06-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, New Delhi-110005.

12 Claims

An improved process for preparation of C₂+Hydrocarbons by Oxidative conversion of methane which comprises passing continuously a gaseous reactant mixture comprising methane and oxygen (or air) with or without steam over an improved LA₂O₃-MgO catalyst as herein described at a pressure in the range of 1–50 atm., temperature in the range of 300–1000°C, wherein CH₄/O₂ ratio in feed is in the range of 1.5–100, and gas hourly space velocity is in the range of 1000–10,00,000 cm³ g.⁻¹ h.⁻¹, separating the water, oxides of carbon and C₂+Hydrocarbons from product stream by known methods, and, if required, recycling the unconverted methane and oxygen.

Compl. Specn. 20 Pages:

Drng Sheet Nil.

Ind. Cl. : 6 A₂ XL VII (1)

185152

Int. Cl.⁴ : F 24 F 1/00 3/48

A LOW NOISE LEVEL AIR CONDITIONER.

Applicant : SIEL AIRCON LIMITED AN INDIAN COMPANY, 12TH FLOOR, SURYA KIRAN BUILDING, 19 KASTURBA GANDHI MARG, NEW DELHI-110001.

Inventors :

MOHAN GURUSWAMY, India.
SERVA MALIKARJUNA SASTRY, INDIA.

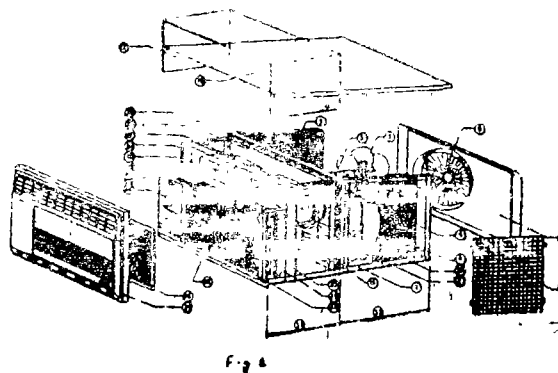
Application for Patent No. 635/Del/91 filed on 17th July, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, New Delhi-110005.

3 Claims

A low noise level air conditioner comprising :

- a condensing unit (32) and an evaporating unit (31) housed together in a housing,
- the said condensing unit (32) has a motor (5) for drawing the air through the condenser (3) and throwing the said air outwardly,
- The said evaporating unit (31) having blowers driven by separate motor by, characterized in that an anti-vibrating element (30) and
- a sound proof partition plate (18) are provided between the condensing unit (32) and evaporating unit (31) to reduce the noise level.



Compl. Specn. 6 Pages:

Drngs. 2 Sheets.

Ind. Cl. : 158 B2, 3 L11(2)

185153

Int. Cl.⁴ : B 61 G 9/00, 9/12, 9/20.

A FRICTIONTYPE DRAFT GEAR ASSEMBLY.

Applicant : WESTINGHOUSE AIR BRAKE COMPANY, AIR BRAKE AVENUE, WILMORDING, PENNSYLVANIA 15148, UNITED STATES OF AMERICA-U.S.

Inventors :

HOWARD RAYMOND SOMMERFELD

Application for Patent No. 1091/Del/91 filed on 16-11-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, New Delhi-110005.

14 Claims

1. A frictiontype draft gear assembly for a railway car to cushion buff and draft shocks typically encountered during coupling of such railway car to a train-consist and during normal operation of such train-consist on a track structure, said draft gear assembly comprising :

- (a) A housing member (12) closed at a first and thereof by an end wall (16) and open at an axially-opposed second end thereof, said housing member having a rear portion (1) adjacent said first end and a front portion (20) adjacent said axially-opposed second end, said front portion being in open communication with said rear portion, said housing member having a predetermined length,
- (b) a compressible cushioning element (18) centrally disposed within said rear portion (14) of said housing member, (12) one end of said cushioning element abutting at least a portion of an inner surface (22) of said end wall closing said first end of said housing member, said compressible cushioning element extending longitudinally from said inner surface (22) of said end wall : (16)
- (c) a positioning means (36) adjacent said inner surface (22) of said end wall at said end of said housing member for centrally connecting the said one end of said compressible cushioning element (18) in said rear portion (14) of said housing member (12) during compression and extension of said compressible cushioning element; (18)
- (d) a seat means (24) having at least a portion of one surface (26) thereof abutting an axially-opposite end of said compressible cushioning element (18) and mounted to move longitudinally within said housing member (12) for respectively compressing and releasing said compressible cushioning element during application and release of a force exerted on said draft gear assembly;
- (e) a friction cushioning means (42) positioned at least partially within said front portion of said housing member (12) for absorbing energy during a compression of said draft gear assembly, said friction cushioning means including :
 - (i) a pair of laterally spaced outer stationary plate members (44) having an outer surface (46) and an axially-opposed inner friction surface (48) said outer surface (46) engaging a portion of an inner surface (22) of said housing member, (12) said pair of outer stationary plate members (44) having a Brinell hardness in a range of 277 to 321 throughout,
 - (ii) a pair of laterally spaced movable plate members (50) of substantially uniform thickness and having an outer friction surface (52) and an inner friction surface (54) and at least one substantially flat edge intermediate (56) said outer friction surface and said inner friction surface, said one edge engaging said seat means, (24) at least a portion of said outer friction surface movably and frictionally connecting the said inner friction surface (48) of said outer stationary plate member, (44) each of said movable plate members having a length in a range of 7.84 inches to 8.93 inches,
 - (iii) a pair of laterally spaced tapered plate members (58) having an outer friction surface (60) and an inner friction surface, (62) said outer friction surface of each said tapered plate member movably and frictionally connecting at least a portion of said inner friction surface of a respective one of said movable plate members (50),
 - (iv) a pair of laterally spaced wedge shoe members (64) having an outer friction surface, (66) a bottom edge and an opposed edge, at least a portion of said outer friction surface movably and frictionally engaging at least a portion of said inner friction surface (62) of a respective

one of said tapered plate members, and at least a portion of said bottom edge engaging said seat means, (24) said pair of wedge shoe members having a predetermined tapered portion (70) on said opposed edge thereof,

- (v) a center wedge member (72) having a pair of matching predetermined tapered portions (74) for engaging the said tapered portion (70) of a respective one of said wedge shoe members (64) to initiate frictional engagement of said friction cushioning means, (42), characterised in that said the friction cushioning means includes,
- (vi) four lubricating means (78) for lubricating at least four predetermined friction surfaces selected from said inner friction surface (54) of said movable plate members, (50) said outer friction surface (60) of said tapered plate members, (58) said inner friction surface (62) of said tapered plate members (58) and said outer friction surface (66) of said wedge shoe members, (64) and
- (f) a spring release means (76) engaging and longitudinally extending between said seat means (24) and said center wedge member (72) for continuously urging said friction cushioning means (42) outwardly from said compressible cushioning means (18) to release said friction cushioning element when an applied force compressing said draft gear assembly is removed.

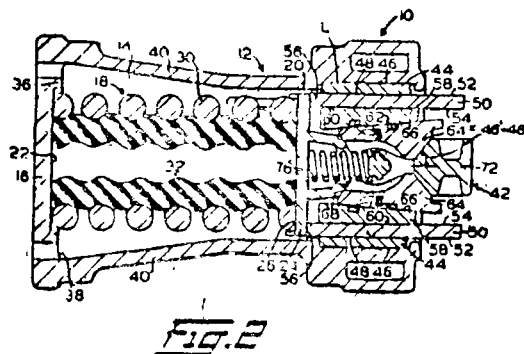


FIG. 2

(Compl. Specn. 29 Pages;

Drng. 2 Sheets)

Ind. Cl. : 108 B

185154

Int. Cl.¹ : C 22 C 19/03.

A PROCESS FOR THE EXTRACTION OF NICKEL FROM LATERITIC NICKEL ORE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA.

Inventors :

1. LALA BEHARI SUKLA, INDIA.

2. VINITA VINAY PANCHANDIKAR, INDIA.

Application for Patent No. 1231/Del/91 filed on 16-12-91.

Complete left after Provisional Specification on 18-2-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the extraction of nickel from lateritic nickel ore which comprises, grinding the ores to -100 to -350 BSS mixing the ground ores with conventional potato dextrose medium, adding to the said mixture microorganism *Aspergillus niger* strain, at room temperature, and at pH-7.00, shaking the culture medium continuously, filtering the medium, washing the filtrate to remove the biomass to yield a leach liquor containing nickel, recovering nickel from leach liquor by conventional methods.

(Prov. Specn. 4 Pages;

Drng. Nil Sheet)

(Compl. Specn. 7 Pages;

Drng. Nil Sheet)

Ind. Cl. : 98 I

185155

9 Claims

Int. Cl.⁴ : F 24 J 2/00.**A SOLAR HEAT TAPPING WINDOW COLLECTOR.**

Applicant : KRISHNA BHATT, AN INDIAN NATIONAL,
OF C-7/232, SAFDARJUNG DEVELOPMENT AREA, NEW
DELHI-16, INDIA.

Inventor : KRISHNA BHATT—INDIA.

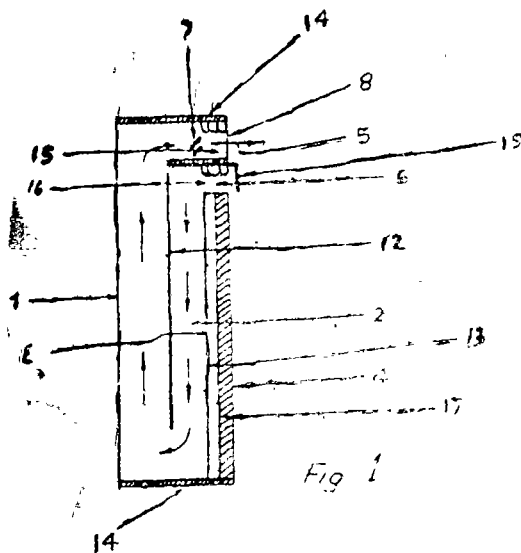
Application for Patent No. 12/Del/92 filed on 6-1-92.

Complete left after Provisional filed on 29-12-92.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office Branch, New Delhi-
110 005.

5 Claims

A solar heat tapping window collector comprising a support member/frame for supporting a front transparent member therewith, a backing member being provided in said support member on the opposite side thereof, a heat absorber member disposed between said front and backing members, being provided to define a first and second compartment and to provide an aid passage between said member and bottom end of said frame to provide said in flow communication with each other for an flow, openings being provided in said backing member for the entry of room air into said collector and for the exit of the hot air from said collector into the room.



(Prov. Specn. 11 Pages)

(Compl. Specn. 9 Pages;

Drng Sheet 1)

Ind. Cl. : 69 J

185156

Int. Cl.⁴ : H 01 J, 61/00.**A DEVICE FOR SWITCHING AND CONTROLLING BRIGHTNESS OF GAS DISCHARGE LAMPS.**

Applicant : WALTER HOLZER, A GERMAN CITIZEN
OF 19,7758 MERSBURG, GERMANY.

Inventor : WALTER HOLZER—GERMANY.

Application for Patent No. 18/Del/92 filed on 9-1-92.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office Branch, New Delhi-
110 005.

A device for switching and controlling brightness of gas discharge lamps, said gas discharge lamps being connected through electronic ballasts (2, 3-5) and a light switch 8 to a mains (R, S) network, said switching device having a bistable changeover means (6, 7) being connected intermediate said light switch 8 and said lamp ballast, (2, 3-5) whereby on switching on of said lamps said bistable changeover means (6, 7) is at a first switching state and with a short interruption of current arrives at a second switching state which influences the electronic ballasts (2, 3-5), immediately on each short interruption of current, a change occurs between the two switching states of said bistable changeover means (6, 7) characterised in that said bistable changeover means (6, 7) is connected to said mains (R, S) through said light switch 8 and an interruption means 13 and there is connected to said ballasts is a brightness control means (10-12) which influences through said electronic ballast (2, 3-5) the lamp current provided to said respective lamp for brightness control.

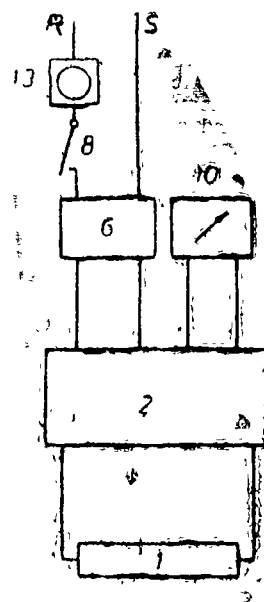


FIG. 1

(Compl. Specn. 12 Pages;

Drng. 2 Sheets)

Ind. Cl. : 32 F3 a+d

185157

Int. Cl. : C 07 C, 47/02, 49/04.

A PROCESS FOR THE PREPARATION OF CARBONYL COMPOUNDS.

Applicant : SHELL INTERNATIONALE RESEARCH MA-
ATSCHAPPIJ B.V., A NETHERLANDS COMPANY, OF
CAREL VAN BYLANDTHLAAN 30, 2596 HR, THE
HAGUE, THE NETHERLANDS.

Inventors :

1. EIT DRENT—NETHERLAND
2. ERIC KRAFTWIJK—NETHERLAND
3. DENNIS HUMPHREY—NETHERLAND
4. LOUIS PELLO—NETHERLAND.

Application for Patent No. 0028/Del/92 filed on 13-1-92.

Convention Application No. 9100801.1/U.K./15-1-91,
9118631.2/U.K./30-8-91 & 9105211.8/U.K./12-3-91.

Appropriate Office for Opposition Proceedings (Rule 4,
Patents Rules, 1972), Patent Office Branch, New Delhi-
110 005.

25 Claims

A process for the preparation of carbonyl compounds such as aldehydes and ketones by monocarbonylation of one or more optionally substituted olefinically unsaturated compounds of the kind such as hereinbefore described by reaction with carbon monoxide and a ligand of the kind such as hereinbefore described in the presence of a catalyst system comprising :

- (a) a source of palladium cations,
- (b) a bidentate diphosphine, and
- (c) a source of anions

characterized in that said bidentate diphosphine is selected from the group of diphosphines of formula (1) $R^1 R^2 P-X-PR^3 R^4$ wherein R^1 , R^2 , R^3 , and R^4 independently represent an optionally substituted aliphatic group, or R^1 together with R^2 and/or R^3 together with R^4 represents an optionally substituted bivalent aliphatic group of the kind such as hereinbefore described, with the proviso of at least one of said monovalent or bivalent aliphatic groups representing an optionally branched or cyclic alkyl or alkylene having at least one alpha hydrogen atom; and X represents a bivalent bridging group of the kind such as hereinbefore described containing 1 to 10 atoms in the bridge, with the exception of 1, 4-bis (dicyclohexylphosphino) butane.

(Compl. Specn. 46 Pages)

Drgn Sheet Nil)

Ind. Cl. : 73

185158

Int. Cl.⁴ : D 01 D 5/00

A METHOD OF MANUFACTURING A SOLVENT-SPUN CELLULOSIC MEMBER.

Applicant : COURTAULDS PLC., A BRITISH COMPANY OF 18 HANOVER SQUARE, LONDON W1A 2BB, UNITED KINGDOM.

Inventor : JAMES MARTIN TAYLOR—U.K.

Application for Patent No. 82/Del/92 filed on 4-2-92.

Convention Application No. 9103297.7/15-2-91/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110 005.

11 Claims

A method of manufacturing a solvent-spun cellulosic member comprising the steps of :—

- (i) dissolving cellulose in a water-compatible water-miscible amine oxide solvent to produce a dope,
- (ii) forcing the dope through at least one orifice to produce an elongate form,
- (iii) passing the elongate form through at least one water-containing bath to remove the solvent and produce the elongate member, the pH of every said at least one water-containing bath being 8.5 or below,
- (iv) drying the elongate member to produce the solvent-spun cellulosic member, and
- (v) bleaching the solvent-spun cellulosic member in a bleach bath of pH greater than 8.5.

(Compl. Specn 17 Pages)

Drgn.1 Sheet)

Ind. Cl.⁴ : 36 A3

185159

Int. Cl.⁴ : F 04D 17/08

A CENTRIFUGAL SLURRY PUMP.

Applicant : WARMAN INTERNATIONAL LTD., OF 1 MARDEN STREET, ARTARMON, SYDNEY, NEW SOUTH WALES 2046, AUSTRALIA.

Inventors : CRAIG IAN WALKER, AUSTRALIA.

Application for Patent No. 243/Del/92 filed on 17-3-92.

Convention date 22-3-91/PK 5249/AU.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

A centrifugal slurry pump comprising :

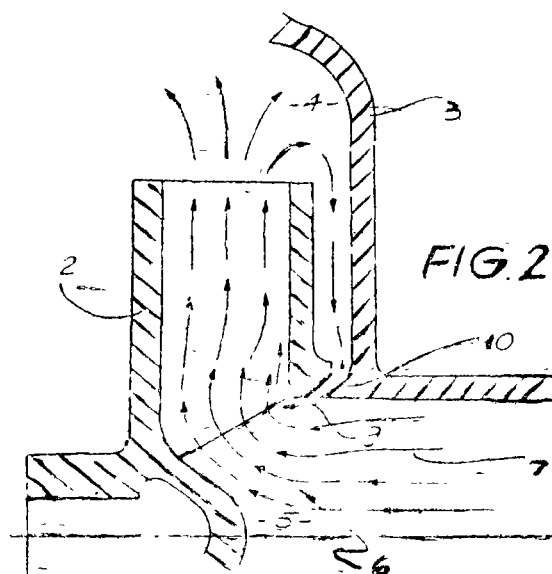
an impeller having two substantially parallel rotatable members aligned to rotate about a common axis of rotation and defining a central intake opening in one of the rotatable members aligned along said axis of rotation,

a plurality of substantially radially extending primary vanes extending between the rotatable members, and extending substantially radially from the axis of rotation to pump liquid through the pump when said impeller is installed in a pump casing; and

an annular area around the central intake opening of the impeller; a liner or pump casing enclosing said impeller and having an inlet aligned with the central intake opening of said one of said rotatable members,

the liner or pump casing having an annular area overlaying and substantially complementary in shape to the said annular area of the impeller,

characterized by said annular area around the central intake opening of the impeller having its surface at least adjacent the intake opening sloping towards the intake opening in the direction of the fluid flow at an angle from 20° to 45° to that of the axis of rotation of the impeller; said annular area of the liner or pump casing of complementary shape to said annular area of the impeller, said annular areas together forming an annular seal of a minimal clearance between said two areas, and said annular seal having a minimum width (X) of not less than 0.05 of the diameter (D) of the intake opening.



(Compl. Specn. 8 Pages)

Drgns. 3 Sheets.)

Ind. Cl. : 70 C-7

185160

Int. Cl. : C 25B 11/06

AN IMPROVED PROCESS FOR THE PREPARATION OF NICKEL OXIDE ELECTRODE SUITABLE FOR THE OXIDATION OF ORGANIC COMPOUNDS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

SUBBARAYAN THANGAVELU, INDIA.

CHINNAPPAN JOSEPH KENNADY, INDIA.

RAJARAM ARUNMOZHISELVAN, INDIA.

Application for Patent No. 262/Del/92 filed on 25-3-92.

Complete left after provisional specification filed on 19-5-93.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

An improved process for the preparation of nickel oxide electrode suitable for the oxidation of organic compounds which comprises pretreating the substrate such as nickel or nickel coated stainless steel by conventional method such as herein described, cathodically depositing nickel hydroxide over the said pretreated substrate using electrolyte consisting of nickel nitrate and a metal salt such as cobalt nitrate, cadmium nitrate, bismuth nitrate, manganese sulphate or zinc sulphate or mixture thereof having a pH ranging from 4 to 7 using temperature in the range of 15 to 45°C and current density in the range of 0.1 to 10 Amp. dm² for 0.2 to 10 hours, followed by anodic coating using KOH solution to get nickel oxide electrode.

Provl. Specn. 5 Pages;

Compl. Specn. 12 Pages;

Orgn. Sheet Nil.

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 181348 granted to Precision Valve Australia Pty. Ltd. for an invention relating to closure for the neck of a container.

The Patent ceased on the 18-08-1999 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14-10-2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 25-1-2001 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within two month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 181281 granted to Bavaria-Tech Werner Schlattl for an invention relating to an electrode holder.

The Patent ceased on the 14-10-1999 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 14-10-2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 25-1-2001 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within two month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 182651 granted to Shaw Industries Ltd. for an invention relating to A velocity geophone with high resolution linear output signal.

The Patent ceased on the 24-7-2000 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 28-10-2000.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 25-1-2001 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within two month from the date of the notice.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

In pursuance of leave granted under sec. 20(1) of the Patents Act, 1970 the application for Patent No. 482/Cal/94 (181884) made by WIDIA HEINLEIN GmbH, has been allowed to proceed in the name of WIDIA GmbH.

In pursuance of leave granted under sec. 20(1) of the Patents Act, 1970 the application for Patent No. 759/Cal/94 (182255) made by The BABCOCK & WILCOX COMPANY, has been allowed to proceed in the name of MCDERMOTT TECHNOLOGY, INC.

THE DESIGNS ACT 1911**SECTION 51A****CANCELLATION PROCEEDINGS**

As per order passed by the Hon'ble Mr Justice C. K. Mahajan Delhi High Court on 8-8-2000 the Regd. Design No's. 172911 and 172912 are cancelled vide Court Order No. 2/99.

RENEWAL FEES PAID

175275 182217 174688 175928 176234 177661 170610 182133
174687 172619 175627 177204 179124 179125 175336 180779
177989 179216 182287 182648 181051 181359 181287 170717
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 178957 178267 180882 182459 177624 182135 179217 182670
 182372 182957 178222 180374 180000 179820 179933 181350
 177588 181467 181890

PATENT SEALED ON 27-10-2000

183791 183792* 183794 183795 183796 183797*D 183798*D
 183799*D 183801 183802 183803*F 183804*D 183806*D
 183808*D.

CAL-08, DEL-NIL, MUM-06, CHEN-NIL

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents.

F—Food Patents.

REGISTRATION OF DESIGNS.

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in section 50 of the Design Act, 1911.

The date shown in the each entries is the date of registration included in the entries.

Class 01. No. 182363. RECKITT & COLMAN OF INDIA LIMITED, Indian Company, 41, Chowringhee Road, Calcutta-700071, W.B., India. "STANT FOR BURNABLE INSECT REPELLANT COIL", 16 MAY 2000.

Class 01 No 181713 EVEREADY BATTERY COMPANY, a corporation of the state of Delaware, of 25225, Detroit road, Westlake, Ohio 44145-0616, U.S.A. "ELECTROCHEMICAL CELL", 23 FEBRUARY 2000.

Class 01. No. 181761. SANARTI INTERNATIONAL, S-158, Greater Kailash Part II, New Delhi :- 110048. "LED BARLIGHT", 28 February 2000.

Class 01. No. 181795. FLEX ENGINEERING LTD., A-2, Sector-60, Noida-201301, Dt-Goutam Budh Nagar, (U.P.) India, Indian Company. "MINI MULTI TRACK PACKAGING MACHINE", 1 March 2000.

Class 01. No. 181821. INTERNATIONAL TRACTORS LTD., Village Chak Gujran, P.O. :-Piplanwala, Jalandhar Road, Hoshiarpur, Punjab-146022, India, Indian Company. "RELIEF VALVE HOUSING", 7 March 2000.

Class 01. No. 181822. INTERNATIONAL TRACTORS LTD., Village Chak Gujran, P.O. :-Piplanwala, Jalandhar Road, Hoshiarpur, Punjab-146022, India, Indian Company. "CONTROL VALVE", 7 March 2000.

Class 01. No. 181890. MAINI MATERIALS MOVEMENT PVT. LTD., Indian Company, 6th floor, Devatha Plaza, No. 131, Residency road, Bangalore :- 560025, Karnataka, India. "HANDLES ON INPLANT MATERIAL HANDLING EQUIPMENT", 16 MARCH 2000.

Class. 01. No. 181934. HIFZUR REHMAN, DECENT ENGINEERING WORKS. 4840. Dargajwan Street, Bara Hindu Rao, Delhi :-110006, India. "HANDLE", 23 MARCH 2000.

H. D. THAKUR

Controller General of Patents, Designs & Trade Marks.